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DR-421 MARCH 1969

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WHITE SANDS MISSILE RANGE

CLIMATE CALENDAR

37

PAUL H. TAFT

ATMOSPHERIC SCIENCES OFFICE WHITE SANDS MISSILE RANGE, NEW MEXICO

UNITED STATES ARMY ELECTRORICS COMMAND

WHITE SANDS MISSILE RANGE CLIMATE CALENDAR

BY

PAUL H. TAFT

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ATMOSPHERIC SCIENCES OFFICE WHITE SANDS MISSILE RANGE, NEW MEXICO

/ RSTRACT

This is the fourth edition of the White Sands Missile Range Climate Calendar, which was first published in May, 1963.

Mean daily maximum and minimum temperatures, and extreme temperatures for the period of record (1950-1968) are tabulated in calendar form for "A" Station, the weather center located at Headquarters, White Sands Missile Range, New Mexico. Averages of temperature, relative hamidity, wind and cloudiness are included for each month, as well as maximum 24-hour and monthly rainfall.

Supplementary tables give monthly, seasonal and annual values of maximum winds, degree days, solar radiation, means and extremes of station pressure, the greatest monthly and single-storm snowfall, and the average six-hourly temperatures and relative humidities. Also included are the average number of days with the occurrence of precipitation, distant lightning, thunderstorms and visitility restrictions, as well as a summary of weather extremes for the State of New Mexico. Presented in graph form are weekly means of maximum and minimum temperatures, weekly values of precipitation, mean hourly and monthly wind speeds with prevailing directions, and average hourly variations from the mean station pressure.

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INTRODUCTION

The weather site designated as "A" Station is in the Headquarters area of White Sands Missile Range (WSMR). Its geographic coordinates are 32° 22.7' North and 106° 28.8' West (Fig. 1). The elevation of the Station Barometer is 4,238.4 feet above sea level. The climatological data in this report are for a period of 19 years, 1950 through 1968, unless otherwise indicated. (Daily temperature means and extremes only have been computed through February, 1969.) The station was initially operated by the Air Force, but since April 1961 it has been manned by U. S. Army personnel.

Temperature, wind, precipitation and relative humidity are measured with instruments mounted on the roof of the weather station building, No. 1510. (The elevation of the floor of the instrument shelter is 4252 feet.) However, since May 1955 wind measurements have been made by an Aerovane mounted on a 13-foot mast 0.5 mile west-279°-from the station, (elevation of Aerovane, 4,304.05 feet) with indicators and recorders for wind speed and direction installed in the weather station building.

Temperature extremes are the highest (maximum) and the lowest (minimum) temperatures which have occurred for each day of the year for the period of record. Temperatures are given in degrees Fahrenheit, wind speeds are in knots, and rainfall and snowfall are reported in inches. Daily temperature means were smoothed after comparison with weekly and monthly averages. (Fig. 3 and 4.)

The data in this report are considered to be representative of the Headquarters area. However, due to the great extent and extreme variations in elevation and topography of WSMR (4,000 square miles, from dry lake beds—"playas"—at 3,900 feet to mountain peaks near 9,000 feet, Fig. 1 and 2) conditions in other parts of the range may vary widely. For example, the record low temperature for this station is 6° below zero, while at White Sands National Monument it is 25° below zero, and both of these records occurred on the same date—11 January 1962. (See Table IV.) Also, severe local thunderstorms may produce torrential rainfall in a comparatively small area with little or no rainfall a few miles distant. On 4 July 1961, 1.80" of rain fell in 48 minutes at "A" Station and the 24-hour total was 2.31", while at Orogrande [1], 24 miles east, the total rainfall for that day was only 0.02".

The greatest 24-hour rainfall of record on the Range occurred at White Sands National Monument [2] on 21-22 September 1941, with a fall of 5.30". Of this amount, 4.28" Fell in five hours—1430-1930 MST, 21 September. This, however, was a general storm, with rainfall totals at a few other stations on or near WSMR as follows: [2 & 3] Alamogordo, 2.60"; El Paso Airport, 3.42°; Las Cruces, 4.61"; Orogrande, 3.27", Tularosa, 4.75°. The greatest 24-hour rainfall of record at "A" Station is 4.25", which fell on 23-24 August 1959. (See Table III.)

DISCUSSION

COLD SEASON (NOVEMBER-APRIL) WEATHER

December and January are coldest months, with identical mean temperatures. (See Table I.) February averages nearly 3° warmer, but it has the same low temperature record as December. The record low temperature, (-6°) occurred on 11 January 1962, when absolute record minima were established at most stations in southern New Mexico, during an extremely severe cold spell. (See Table IV.)

The average number of days with minimum temperatures at or below freezing is 38, and with 20° or less is only three. The earliest date of the last freezing temperature in spring occurred on 14 February 1950 (see Table VIII), while the earliest date of a 90° temperature was 14 April 1963. The record high temperature for the cold season—94°—was recorded on 22 April 1965. The average date of the last freezing temperature in the Spring is 14 March, and of the first freeze in the Fall is 20 November.

Mean maximum and minimum temperatures for April are within 0.2° of the annual means. A comparison of "A" Station with 141 Weather Bureau Climatological stations in New Mexico [4], shows that the mean minimum temperature of "A" Station for the coldest month (34.3°) is 0.4° higher than that of Carlsbad Caverns, which has the highest winter month minimum temperatures of any of the New Mexico Weather Bureau stations.

Only 30% of the annual rainfall occurs during the cold season, and April (the second driest month) and November (the third driest) altogether account for only 7% of the annual total. This 6-month period averages only three days with the occurrence of thunderstorms out of the annual total of 44 days. The three coldest months receive 77% of the annual snowfall total of 5.9 inches.

April, the windiest month of the year, has an average hourly wind speed of 8.5 knots. Visibility is reduced to 6 miles or less (by fog, snow, blowing dust, etc.) on an average of 23 days during this season. Five of these days occur in March and four in April, while the total for the year is 39 days. (See Table VII.)

WARM SEASON (MAY-OCTOBER) WEATHER

Although June and July are the warmest months, August is only slightly cooler (see Table II). The average number of days with a temperature of 100° or more is only 7, three each in June and July, and one in August. Only in occasional years do such high temperatures occur in May, and none have been recorded in September at this station. The greatest number of successive days with 100° or more is 8, from 26 June to 3 July 1960. However, 18 successive days with 99° or more occurred from 24 June to 1 July 1951. It was during these two periods that the absolute record high temperature of 106° occurred four times.

Maximum temperatures at Desert Station (near Army Block House) average about 1.2° higher than at "A" Station during the summer months, so that 100° temperatures can be expected in that area on an average of about 12 days each summer. At Orogrande, about 24 miles east of WSMR Headquarters, summer temperatures average about four degrees higher than at this station, and the absolute record high temperature for Orogrande—116°—equals the record high temperature for the entire state of New Mexico. (See Table V).

The lowest maximum temperature of occurrence for any year was in 1959 when 99° was recorded only twice. The average number of days with maximum temperatures of 90° or more is 34, sixty-seven of which occur during the three warmest months. The earliest date of a 95° reading was 11 May 1962, and the average date is 2 June. The latest occurrence of 95° in late summer was on 27 September 1951, and the average date is 4 September, while there are thirty-six days per year when a maximum of 95° or more is recorded. October mean temperatures are within two degrees of the annual means.

May (the driest month) and June are, on the average, quite dry. Collectively, they contribute only 11% of the total annual rainfall. July, August and September, the wettest months of the year, account for 50% of the average annual rainfall of 10.32", and for 66% of the thunderstorms. Seventy percent of the annual rainfall occurs during the warm season and all but three of the 44 days with thunderstorms. The greatest monthly rainfall of record at this station--7.42"-- occurred in June, 1966. The driest year of record was 1956, with a rainfall total of only 3.92", (Table III).

October, with an average hourly wind speed of 4.6 knots, is the least windy month of the year, while the annual average is 6.1 knots. The prevailing wind direction for 11 of the 12 months is west, but for July it is southeast. Visibility of 6 miles or less occurs on 16 days during the warm season.

		TEMP	ERATUR	ES (* F))
COLDEST PERIODS	MEAN MAX	MEAN MIN	MEAN	High- Est	LOW- EST
MONTH OF DECEMBER MONTH OF JANUARY MONTH OF FEBRUARY COLDEST 30 DAYS: 12/20 to 1/18	55.7 55.9 59.9	34.4 34.3 37.6 32.6		77 73 81 73	8 -6 8 -6
COLDEST 30 DAYS, 12/20 to 1/16 COLDEST 15 DAYS, 1/3 to 1/17 COLDEST 7 DAYS, 1/8 to 1/14			43.2 42.9	73 73	-6 -6

TABLE I. TEMPERATURES DURING COLDEST MONTHS, "A" STATION

		TEMP	ERATUR	ES (° F)
WARMEST PERIODS	MEAN MAX	mean Min	MEAN	HIGH- EST	LOW- EST
MONTH OF JUNE MONTH OF JULY MONTH OF AUGUST WARNEST 30 DAYS, 6/18 to 7/17 WARNEST 15 DAYS, 6/19 to 7/3 WARNEST 7 DAYS, 6/22 to 6/28	95.2	69.2 70.5 68.9 71.0 71.5 72.2	81.1 82.0 80.0 82.7 83.4 83.9	102	50 59 55 59 59 62

TABLE II. TEMPERATURES DURING WARMEST MONTHS, "A" STATION

The following tabulations show the precipitation extremes (greatest and least) of record for White Sands Missile Range and vicinity:

```
PRECIPITATION EXTREMES, "A" STATION, WHITE SANDS MISSILE RANGE
0.38 inch
               8 minutes
                                   1412-1420MST, 27 July 1965
1.80 inch
                                   1530-1618MST, 4 July 1961
              48 minutes
2.92 inches
               24 hours
                                   0050-0320MST, 24 August, 1959
3.17 inches
                                   2245-0445MST, 23-24 August, 1959
               6 hours
              12 hours
3.72 inches
                                   1645-0445MST, 23-24 August, 1959
4.25 inches
              24 hours
                                   2210-1925MST, 23-24 August, 1959
Greatest annual rainfall:
                                   20.02 inches in 1958.
Least annual rainfall:
                                    3.92 inches in 1956.
Longest ary spell
                                   123 days, 2/10-6/11, 1956.
    (no measureable rainfall):
Second longest dry spell:
                                   80 days, 10/8-12/26, 1954.
Greatest seasonal snowfall:
                                   24.5 inches, 1967-1968.
Greatest annual snowfall:
                                   18.5 inches, 1960.
HEAVIEST RAINFALL OF RECORD, WHITE SANDS NATIONAL MONUMENT [3]
0.95 inch
                                   4.28 inches
              30 minutes
                                                 5 hours
1.50 inch
                                   4.40 inches
               1 hour
                                                 6 hours
2.50 inches
               2 hours
                                   5.17 inches
                                                12 hours
                                                24 hours, 9/21-22/41
3.50 inches
               3 hours
                                   5.30 inches
PRECIPITATION EXTRIMES, NEW MEXICO STATE UNIVERSITY, LAS CRUCES [8]
Extremely heavy rainfall occurred at the University station from
11:05pm 29 Aug. to 7:00/m 30 Aug., 1935, measure as follows:
0.64 inch
               5 minutes
                                   2.77 inches
                                                60 minutes
1.06 inch
              10 minutes
                                   4.15 inches
                                                 2 hours
1.50 inch
                                   4.77 inches
              15 minutes
                                                 3 hours
1.86 inch
              20 minutes
                                  5.91 inches
                                                 4 hours
                                  6.46 inches
2.48 inches
              30 minutes
                                                 7 hours 55 minutes
Greatest 24-hour rainfall:
                                   6.49 inches,
                                                 29-30 August, 1935
Greatest monthly rainfall:
                                  7.53 inches,
                                                 September, 1941
WETTEST AND DRIEST YEARS, NEW MEXICO STATE UNIVERSITY
15.05 inches in 1881, La Mesilla 13.26 inches in 1931, NMSU
17.09 inches in 1905, NMSU
                                  19.60 inches in 1941, NMSU
14.35 inches in 1926, NMSU
                                  14.01 inches in 1958, NMSU
 3.61 inches in 1860, Ft. Fillmore 4.02 inches in 1910, NMSU
 3.49 inches in 1873, Ft. Selden
                                   3.81 inches in 1953, NMSU
 4.47 inches in 1892, NMSU
                                    3.62 inches in 1964, NMSU
HEAVIEST SNOWFALL OF RECORD, NEW MEXICO STATE UNIVERSITY
       Greatest Monthly
                                    Greatest 24-hours
               4.7 inches in 1947
                                   4.7 inches in 1947
January
February
              10.4 inches in 1956
                                   9.0 inches in 1956
March
               2.7 inches in 1944
                                   2.7 inches in 1944
November
               5.0 inches in 1957
                                    5.0 inches in 1957
              10.3 inches in 1931
                                   9.0 inches in 1931
December
```

TABLE III. PRECIPITATION EXTREMES, WSMR AND VICINITY

WEATER ETIRENES IN NOW YELLOO

On rere coessions an extremely cold arctic air mass invades southern New Mexico, bringing record-breaking low temperatures. Such an event occurred on the 10th and lith of January, 1962. It was the most source outbreak of polar continental air in many years and tumbled old law temperature records for most stations in south-central New Mexico, some of which had stood for more than a half-contary. Table IV lists these new absolute minimum temperature records.

STATIOS	idoperature, ° p
"A" STATION, WHITE SANDS HISSILE RANGE	-6
ALAMOCORDO	-14
MEMI	-12
Bosque del Apache	-16
CA1077020	-12
CLORECTOFT	-21
ABSERT STATION (MSD), MSMR	-14
FLORIBA	-15
PORT STARTOR	-28
PATCE	-17
NOLLONAR AIR FONCE BASE	-11
LORDSBURG	-2
MESCALZED	-19
MEN MEXICO STATE UNIVERSITY, LAS CRUCES	-10
OROGRANCE.	-13
SCHSPOT (SACRANESTO PEAK) [7]	-23
SILVER CITY	-13
WHITE SANDS NATIONAL MONUMENT	-25

TABLE IV. NEW MINIMUM TEMPERATURE RECORDS IN SOUTHERN NEW MEXICO DUE TO SEVERE COLD SPELL OF 10-11 JANUARY, 1962 [4]

Tables V and VI are listings of weather extremes which give an indication of the great variations of climate which are encountered in New Mexico. Only twelve of the fifty states have recorded lower temperatures than New Mexico's -50°, while eighteen states have endured summer temperatures exceeding our record of 116°. With a seasonal snowfall record of 483 inches, New Mexico ranks seventh among the fifty states; Washington ranks first, with exactly one thousand inches. [9]

30511		CHEST	iesei	ATURE	U	OSSI	TOTAL	ATURE
	•	MI	TEAR	STATEON	7	M	TER	STATION
كفل	20	6	1938	Tularesa	-57	11	1962	Eagle Nest
FEB	100	24	1904	Carlabad	-50	1	1951	Coviler
1942	99	31	1946	Reswell #2	-34	12	1948	Eagle Nest
m	104	10	1934	Ar resia	-36	5	1945	Eagle Nest
:MY	116	28	18%	Rincon	-2	1	1967	Eagle Nest
JUNE	116	29	1918	Artesia	12	1	1946	Z'town *
JEL	116	14	1934	Orogrande	19	5	1935	Therms
ADC;	111	7	1934	Sara Visa	23	30	1944	Seloor Reach
ĺ	111	23	1932	Rodeo				
SEP	112	7	1948	Orogrande	8	23	1912	E'tem *
OCT	101	5	1934	Carlshed	-15	24	1945	Red River
NOW .	97	7	1903	Carlsbad	-36	24	1931	Gevilee
					-36	25	1931	Pulce
EEC	90	12	1933	Eagerman	-47	12	1961	Pulce

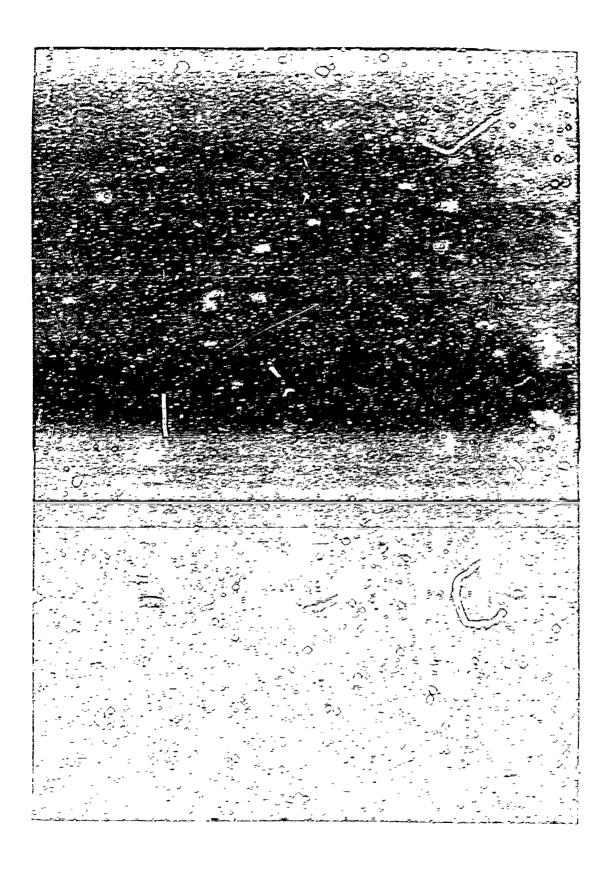
TABLE V. MEN MEXICO TEMPERATURE EXTREMES BY MONTHS, 1892-1968 [5]

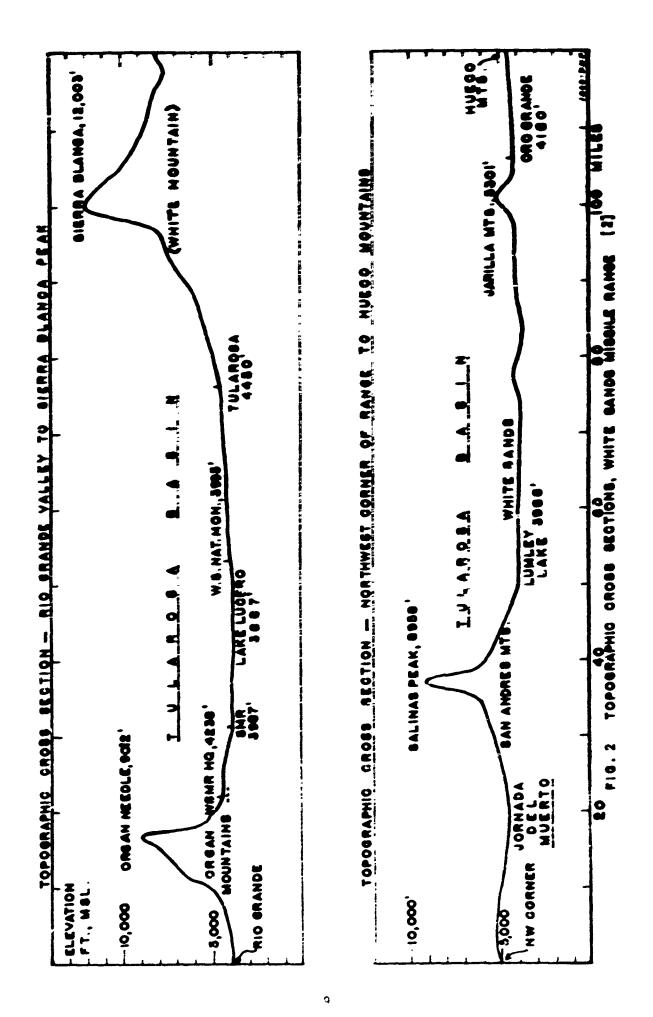
* E'town = Elizabethtowa (near Eagle Nest)

	ATREMES	INCHES	LOCATION	DATE
AXSTUAL	Greatest	62.45	White Tail	1941
RAINFALL	Least	1.00	Hermanas	1910
GREATEST	1-Honth -	16.21	Portales 7 WAN	May 1941
RAINFALL	24-Hour	11.28	lake Maloya	19 May 1955
	Seasonal	483.0	Anchor Mine	1911-1912
	Annua l	415.7	Anchor Mine	1915
GREATEST	l-Hosth	144.0	Anchor Mine	Mar ch 1912
SNOWFALL	Fingle-Storm	40.0	Corona	14-16 Dec. 1959
[24-Hour	30.0	Sandia Crest	29 Dec. 1958
	Greatest Depth	90.0	Anchor Mine	28 Mar. 1912

TABLE VI. NEW MEXICO RAINFALL AND SNOWFALL EXTREMES, 1892-1968 [5]

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Ş S 1603 とる (BER TABLE VII.) AVENOR CLOUDING WENDE MINEA KIN COLITY AVENOR. CKAN OF COCUMEND AVO. YEAR . E GREATEST JANUARY SNOWFALL: 5.5 ORTATEST MONTHLY MADINALL AVO. MINIMEN TENTERATURE RECORD HIGH TENNESSATURE HICHORS! AVU. RELATIVE HUMIDITY PACCINI JOH THAINING TOUCH LOMBIST TREAT COMPET YEAR XXX MONTHELY SUMMARY OF AVERANE CLEMATOLOGICAL OWEST DATE: OFFICE RECORD LOW TEMPERATURE AT STATION CONTRACT ITOHEST COMIST LOWEST 1967 1951 WG. HIGH 10HESST AVO. LA LOWEST CIMEST OWEST TEAR TEAR XE:AR **\$** 8 1969 ç UARY 196 AVO. HIGH *ABSOLUTE AVG. LOW LOWEST AVG. HIGH AVG. LOW LOWINST AVG. HIGH AVG. LOW HIGHEST HIGHEST HIO! TEST HICHEST HIGHEST LOWEST TOWEST OWEST YEAR TEAR YEAR TEAR YEAR

AVG. HIGH 60 HIGHEST 1963 TEAR 1963 AVG. I CW. 37 LCWEST 1951 AVG. LCWEST 25 LCWEST 25 LCWEST 25 LCWEST 25 LCWEST 25 TEAR 1967 AVG. HIGH 60 HIGHEST 20 TEAR 1951 AVG. HIGH 60 HIGHEST 25 TEAR 1951 AVG. HIGH 60 HIGHEST 25 TEAR 1954 AVG. HIGH 62 HIGHEST 23 TEAR 1954 TEAR 1955 TEAR 1955	MONTHIN SITE AND AND. HIGHEST 71 YEAR 1963 AVO. LOWEST 75 YEAR 1962 AVO. LOW 37 LOWEST 75 YEAR 1966 AVO. LOW 37 LOWEST 25 YEAR 1966 AVO. LOW 37 YEAR 1966 AVO. LOW 37 YEAR 1966 AVO. LOW 38 LOWEST 24 YEAR 1965	AVO, LOWEST 1958 AVO, HTOHEST 1958 AVO, HTOHEST 1958 AVO, HTOHEST 22 YEAR 1958 AVO, LOW 37 LOWEST 1958 AVO, LOW 37 LOWEST 1958 AVO, LOW 37 YEAR 1958 AVO, LOW 37 LOWEST 1958 AVO, LOW 37 YEAR 1968 AVO, LOWEST 1968 AVO, LOW 37 YEAR 1968 AVO, LOW 37 YEAR 1968 AVO, LOW 36 TEMPERATURE 3	AVO. LOWEST 1963 AVO. LOWEST 1960 AVERAGE	AND THE PROPERTY OF THE PARTY O	AVO. HIGHEST AVO.	
AVO. IAN 40 LOWES I 29	AVERAGE MINIMUM TAVERAGE RELATIVE GREATEST MONTHLY GREATEST 2L-HOUR	TEMPERATURE + 6 VE HUMINITY 39 T.Y RAINFALL TREATURAIL	AVERAGE AVERAGE TN. TEAR	MONTHEL SNOWFALL MONTHEL SLOWELTH 1957 1857, DATE 28 th	1.5 1.5 1.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	AMMUAL S.Y IN.
	_ 2	100000	CATEGO NY RESTANCE	1050.		

TEGE OF ANOTHER BY	5 100 100 100 42 100 100 42 100 100 100 100 100 100 100 100 100 10	5 . N	37 30 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	HEST 79 HIGHEST 77	EST 26 LOWEST 29 R 1965 YEAR 1955	HICKEST 83 HICKEST 86 TEAR 2 TEAR 2 81967	ZW 47 AVO. LOW T 23 LOWEST 1935 YEAR	AVO. WIND SPEED 8.0 KNOTS PREVAILING WIND DIM. West AVERAGE RAINFALL 0.58 IN. AVERAGE SNOWFALL 0.5 IN.	TEAR TEAR TEAR	
PANOE TEAR OF COOTY THE BADDING	AVO. 104 41 AVO. LOWEST 22 LOWER TEAR	1	LOWEST 27 LOWEST TYS LOWEST TARK	AVO. HIOH 66 AVO. I HICHEST 78 HICHES YEAR 1966 YEAR	AVO. LOW 44 AVO. LOWEST 23 LOWES	HIOH SE	AVO. LOW A6 AVG. LOWEST 23 LOWEST TEAR 1955 YEAR	TEMPERATURE 45.7 TEMPERATURE 45.7 TEMPERATURE 16.1	HONTHLY RAINFALL 3.00 IN., 24-HOUR RAINFALL 1.46 IN., ***LATEST DATE OF FREEZING	
EXTREMES, VOLOGICAL DAY	124R 41 41 1046 41 1065	HIGH 64 EST 74	10W 42 31 1968	AVO. HICH 66 HICHEST 82 YEAR 1967	AVG. LOW 44 LOWEST 32 YEAR 1931	HICH 69 EST 81	AVG. IOM 46 LOWEST 32 YEAR 1957	IAX IMUM IIN IMUM I HIGH I	AVO. RELATIVE HUR GREATEST SU-HOUR IN SPRING. ***LA	
TECTERATURE NEA WAY OF AVERAGE AVG. HIGH 63 HIGHGET 75		AVO. HTOH 64 S HICHEST 77 TEAR 1966	:	AVO. HIGH HIGHEST YEAR		AVO. HIGH HIGHEST TEAR O	S AVG. LOW 46 E LOWEST 37 2 TEAR 1966		AVO. IOW 49 1 IOWEST 37 1 IVEAR 1961 ZING TEMPERATURE	
DA MONTHELY AVOIT HELY HELD HELD HELD HELD HELD HELD HELD HELD	LOWEST OF STATE OF ST	AVY. HIGH HIGHEST TEAR	AVG. IC	7	AVG. LOW 43 LOWEST 29	AVO. HIGH HIGHEST YEAR	AVG. LOW 45 LOWEST 28 TEAR 1952	AVG. HIGH HIGHEST YEAR A	48 AVG, 12W 48 AV 31 IOWEST 40 IC 151 TEAR 1961 PT DATE OF LAST FREEZING	
MARCH A70. HIGH 62	-3	AVG. HIGH 64 HIGHEST 61 TEAR 1960	· ·	AVG. NICH 65 HICHEST 80 YEAR 1966	AVG. LOW 43 LOWEST 21	HIOH SST	AVG. 10W 45 LOWEST 26 YEAR 1952	AVG. HIGH 71 HIGHEST 80 YEAR O 967	AVG. IKW 48 IOWEST 31 YEAR 1951	

DAILY TEMPERATURE MEANS AND EXTREMES, WITH YEAR OF OCCURANCE

APRIL		HONTHEY SUMMARY	:5	20	AVERAGE CLIMATOLOGICAL PATA	u. han	A, WITH RAINFALL	i. extruyors	APRIL
AVO. HIGH	72	AVO. HIGH	72	AVO. HIGH 72	AVO. HIOH	7.3	AVO. HTOH 73	AVO. HIGH 73	AVO. HITOH 73
HIGHEST	8	HIGHEST	83	98 TEMPCIH		87	HIGHEST 86	<u>.</u>	
_	1950		1966	TEAR 2 1954	TEAR 1	1967	YEAR R 1959	TEAR A 1954	TEAR 1963
_		V		ס	•		7	Di	
AVG. LOW	64	₹	64	AVG. 10W 49	AVG. 104	64	₹.	AVO. 10# 49	AVO. 104 49
Ę,	1055	E.	35	LOWEST 35	LOWEST	37	LOWEST 41	YEAR 1966	YEAR 1964
1.	1	2025		7015	TW.	74	1272	KTOK	TAVO, HIGH 75
UTOTOTO	5 Y	AVG. ALOR	7 00	מבטתבים אני	LT CATA	*		KTOUTEST 85	MICHIEST 40
	1042		1054	TEAD 1960	NA NA	040	YEAR 1963	YEAR 1962	TEAR : 963
a	1903	Ø	5	<u>C</u>		*	0		7
) S	20) 25	20	705 20	AVO. LOW	5	AWO. 104	AVO. 104 52	AWO. 10W 52
	2 0	10000	4.1	TOWERST 41		34	LOWEST 37	TOWNST	LOWEST 38
	1964		1964	TEAR 1956		1951	XEAR 1953	TEAR 1959	XXXX 1958
된	76	AVO. HIGH	9/	AVO. HIGH 76	AVO. HIGH	4	AVO. HICH 77	AVO. HIOH 77	AVO. HIGH 77
HIGHEST	83	HIOHEST	3	HICHEST 89	HIOHEST	83	HICHEST 88	HICHEST 86	HICHEST 62
1	1962		1962	TEAR 1962		1954	YEAR 1962	YEAR O 1965	TEAR O Junes
<u>0</u>		<u>o</u>		_	ם		2	2	
AVG. LOW	53	3	53	AVG. LOW 54	AVO. LOW	54	AVO. LOW SE	AVG. TOW SS	A70, 204 55
LOWEST	42	딾	43	E E	ST	42	LOWEST 43	.	; ;
YEAR	1956		961	1XEAR 1960	ITEAR	1960	YEAR 1956	TEAR 1968	LEAK 1929
AVG. HIGH	77		11	AVO. HIGH 78	AVO. HIOH	28	7	AVO, HTOH 78	AVO. HIGH 78
HIGHEST	76	멅	68	HIGHEST	EST	25	3	KIONEST 65	
YEAR 1965.	1965.	TEAR 7 1965	965	TEAR 3 1959	TEAR OF	1956	TEAR OF 1950	TEAR O 1953	TEAN OC 901
ソバ	0				ロソー		04	7	07
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LIEST	DATE	OF Z 90	TEMPERATUR	TURE AT STATION					

PEVAILING WIND VERACE RATHEAT 1960 1953 951 VERADE となる AVO. HIOH HIOHEST WO. HIC Daily temperature means and extremes, with year of occurrence AVO. LA Lowest COMPST 18270 80 WITH RADIVALL 962 1961 WHITE SANDS MISSILE RANGE OREATEST MONTHLY RAINFAIL . MINIMUM TEMPERATURE RECORD HIGH TEMPERATURE MICCILLI LOW TEMPERATURE IVO. RELATIVE HUNCOLTY LOWEST HONTHELY SUMMARY OF AVERAGE CLEMATOLOGICAL DATA 1953 1954 AVO. "A" STATION, 63 23 2005 2005 2005 WO. HIGH TOHEST TOHEST AVG. 12 LOWIST 1963 86 1962 1951 1967 WG. HIC HTOHIST TEMBLE LOWEST IGHEST TOHEST HOREST OWEST COMEST LOWEST TEAR ¥8 AW. AVG. IOW LOWEST AVG. LOW 60 47 **28** \$ 7 7 1956 8 1964 84 86 8 S 1964 1957 1961 AVG. HTGH AVG. LOW LOWEST ANG. IQU AVG. HIGH AVG. HIGH AVG. HID AVG. LOW HIGHEST HIGHEST HTOHEST LOWEST LOWEST YEAR

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100° TEMPERATURE AT STATION

** EARLIEST DATE OF

YEAR

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"A" STATION, WHITE SANDS MISSICH KANGE

9961 **HOA** HIOMES! HIGHEST AVG. L HIGHES AVO. I CLOUDINESS DATE GNOWFALL RAINFALL 62 1966 101 953 NVO. HIOH DAILY TEMPEHATURE MEANS AND EXTHEMES, WITH YEAR OF OCCURRENCE MONTHLY SUMMARY OF AVERAGE CLIMATOLOGICAL DATA, WITH RAINFALL EXTREMES AVO. HIOH HIDHEST AVERAGE MONTHLY HIOHEST AVERAGE MONTHLY HICHEST AVERAGE MONTRELY HICHEST PREVAILING WIND LOWEST AVERAGE HONTHEY COMEST AVO. LO 25 TAR. AWG. 1960 1960 104 8 **8** 1961 AVO. LOW 2.42 2.40 U.: HIGHEST HICHEST HIGHEST AVO. LO LOWEST LOWIST LOWEST TEAR YEAR YEAR ğ RECORD MAXIMUM TEMPERATURE # 105 RECORD MINIMUM TEMPERATURE # 50 **S** TEMPERATURE 9: 1960 103 1965 1956 AVERAGE MINIMUM TEMPERATURE AVERAGE RELATIVE HUMIDITY GREATEST MONTHLY RAINFALL GREATEST 24-HOUR RAINFALL HOHEST TOHEST COMEST OWEST HIGHEST TOFFIST COMEST OWEST TEMPERATURE AT STATION AVERAGE MAXINUM 1968 001 1960 965 1962 1956 AVG. HIGH HIGHEST AVO. HIGH HIOP EST HIGHEST HIGHEST LOWEST LOWEST LOWEST TEAR YEAR TEAR TEAR AVG. AWG. 996 0961 71 9961 69 64 1968 103 102 1968 1965 1960 9 1953 66 96 1956 83 @ ABSOLUTE RECORD MAXIMUM AVG. HIGH AVG. HIGH AVG. HIGH HIGHEST HIGHEST HIGHEST AVG. IA IOWFST LOWES'F YEAR HIGHEST IOWEST TRAR HIGHEST LOWEST LOWIST TEAR YEAR AVG. YEAR TEAR TEAR AVG. TEAR 1960. 1965 106 1967 65 1968 96 62 1951 1950 104 1968 101 69 63 63 71 96 1953 **%** % 964 1955 101 5 の 2 AVG. HTCH AVG. HIGH VG. HIGH 田田 **©**≩ 田田 HIGHEST HIGHEST HIGHEST HIGHEST LOWEST LOWFST HOHEST LOWEST LOWEST OWEST AVG. YEAR YEAR YEAR YEAR AVG. YEAR AVG. YEAR YEAR TEAR YEAR AVG. AVO. TEAR AVG.

"A" STATION, WHITE SANDS MISSILE RANGE DAILY TEAPERATURE MEANS AND EXTREMES, WITH YEAR OF OCCURRENCE

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LOWEST 63	LOWE	62	LOWEST	63		MONTHLY RAINFALL, 5, 63	IN., YEAR	1962 name 4th
YEAH 1962	MEAR	1962	INEAR	1968	GREATEST 24-ROUR	TALIN FALLS	Taxana Santana	
@ ABSOLUTE RE	RECORD MAXIMUM	1 TEMP	TEMPERATURE AT	STATION:	106° ON	THREE DATES IN 1951	51 AND ONE IN 1960	.09

"A" STATION, WHITE SANDS NISCILE RANGE

28¹⁹⁶² h DATE 23-24 101 100 1952 68 1951 1962 1952 West AVG. HIGH HIGHEST AVG. HIGH AVG. LOW LOWEST AVG. HIG HIGHEST HIGHEST LOWEST CLOUDINESS OMEST YEAR AVERAGE RAINFALL TEAR TEAR EAR YEAR AVERAGE SNOWFALL YEAR PREVAILING WIND AVR. WIND SPEED 1959 1959 **S** 150 0 ... 68 62 1967 63 100 68 63 **9** 69 98 88 1951 1963 97 1951 1960 1965 1966 TEAR TEAR AVERAGE WITH RAINFALL EXTREMES AVG. HIGH AVG. HIGH AVG. HIGH DAILY TEMPERATURE MEANS AND EXTREMES, WITH YEAR OF OCCURRENCE HIGHEST HIGHEST HICHEST HIGHEST AVG. LO LOWEST LOWEST COMEST LOWEST YEAR Ä TEAR YEAR YEAR TEAR AVG. AVG. 4VG. LOW (**9**1951 97 1952 20 99 68 1963 1951 90 9 88 1966 1965 GREATEST MONTHLY RAINFALL AVG. HIGH AVG. HIGH RECORD HIGH TEMPERATURE # GREATEST 24-HOUR RAINFALL AVG. HIGH AVG. MAXIMUM TEMPERATURE AVG. HIGH AVG. MINIMUM TEMPERATURE HIGHEST HIGHEST HIGHEST HIGHEST RECORD LOW TEMPERATURE AVG. RELATIVE HUMIDITY LOWEST LOWEST LOWEST LOWEST TEAR YEAR YEAR YEAR YEAR TEAR AVG. MONTHLY SUMMARY OF AVERAGE CLIMATOLOGICAL DATA, 255 1964 ISW 89 98 59 1966 1956 61 88 63 1964 92 101 960 96 1964 1967 AVG. HIGH AVG. HIGH AVG. HIGH AVG. HIGH AVG. LOW LOWEST HIGHEST HGHEST HIGHEST TGHEST AVG. LO LOWEST LATEST DATE OF 2 100° TEMPERATURE AT STATION, 1952 OVEST OWEST YEAR EAR YEAR YEAR **TEAR** YEAR 92 1960 98 100 63 1951 68 62 1954 90 62 1967 101 8 97 1950 90 1965 1951 1968 98 92 AVG. HIGH AVG. HIGH AVG. HIGH Z S S HIGHEST HIGHEST IIGHEST HIGHEST AVG. LO LOWEST HGHEST LOWEST OWEST OWEST LOWEST YEAR YEAR MEAR YEAR YEAR YEAR AVG. TEAR AVG. 23 1950 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 19 (6 1951) 100 1965 1960 100 1951 70 69 68 62 1966 8 8 9 89 1967 91 97 98 8 1961 1962 19 1967 AVG. HIGH AVG. HIGH ത AVG. HIGH MOI HIGHEST HIGHEST HIGHEST HGHEST LOWEST OWEST IOW ST LOWEST YEAR YEAR YEAR YEAR YEAR EAR AVG. YEAR **5** 1962 b 20¹⁹⁶² | 73 62 2501950 1966 .965 68 63 1967 102 70 65 101 1951 100 90 89 1967 62 1965 ይ 63 16 AUGUST A7G. HIGH AVG. LOW LOWEST AVG. HIGH AVG. LOW AVG. HIGH AVG. HIGH AVG. LOW HIGHEST HIGHEST HIGHEST HIGHEST HIGHEST LOWEST LOWEST COWEST LOWE: 1 TEAR **YEAR** YEAR YEAR YEAR YEAR YEAR YEAR

"A" STATION, WHITE SANDS MISSILE RANGE

6861 1964 1965 1951 **HOKE** AVO. HIGH Highest AVG. LOW LOWEST IVO. HIO 11.12 TCHEST HICHEST RIGHEST CARST SAMST TOWNST TOWNST TEAR TEAR AVO. AVERAGE MONTHLY WIND SPEED DATE AVERAGE MONTHLY RAINFALL 59 1964 20 19 4 20 24 20 24 1956 1951 1967 AVO. HIGH HIGHEST AVG. HICHEST DAILY TEMPERATURE MEANS AND EXTREMES, WITH YEAR OF OCCURRENCE HONTHLY SUMMARY OF AVERAGE CLIMATOLOGICAL DATA, WITH HAINFALL EXTREMES HIGH HIGHEST PREVAILING WIND AVERAGE MONTHLY HIGHEST AVG. IO LOWEST AVERAGE MONTHLY LOWEST LOWEST LOWEST YEAR 1958 YEAR YEAR TEAR TEAR **700**Y TEAR ¥g. 1968 64 57 1968 1954 93 1951 1959 95 AVG. 10% AVO. HIGH AVG. HTG HTGHEST HIGHEST HICHEST , NI 96. HIGHEST LOWEST YEAR LOWEST AVG. LO LOWEST LOWEST ATG. YEAR YEAR TEAR YEAR AVERAGE MAXIMUM TEMPERATURE 86.2 67 251 p 1957 66 53 1961 1957 1967 64 57 51 1968 84 91 1956 8 AVERAGE MINIMOM TEMPERATURE RECORD MAXIMUM TEMPERATURE RECORD MINIMUM TEMPERATURE A'G. HIGH AVERAGE RELATIVE HUMIDITY GREATEST MONTHLY RAINFALL GREATEST 21,-HOUR RAINFALL LOWEST YEAR AVG. HIGH HIGHEST 89 Avo. HIOH WG. HIGH HIGHEST HICHEST STATION, 1951. LOWEST IOMEST YEAR YEAR TEAR TEAR 62 55 55 1968 1950 1951 99 95 84 1963 . 8 1951 1951 AVG. HIGH 1 89 LAVO. HIGH AVG. HIGH AVG. HICH AVG. LOW AVG. LOW HIGHEST HIGHEST TEMPERATURE AT HIGHEST HIGHEST LOWEST LOWEST LOWEST LOWEST YEAR TEAR TEAR TEAR 23 1951 p (AVG, LOW TOWEST 1965 1957 . **8** 54 1961 85 1965 49 1951 1951 1968 19<u>66</u> 87 87 AVG. HTGH AVG. HIGH AVG. HIGH AVG. HIGH AVG. HIGH **O M**91 AVG. LOW OF 2 95° HIGHEST HIGHEST HIGHEST HIGHEST LOWEST LOWEST LOWEST LOWEST YEAR YEAR YEAR YEAR YEAR YEAR TEAR TEAR TEAR 83 LATEST DATE 58 1961 63 **5**2 1965 9 93 58 85 95 1956 1956 1951 67 57 76 1967 87 1968 1961 SEPTEMBER 8 の ス 済 AVG. HICH HICHEST AVG. HIGH AVG. LOW AVG. HIGH AVG. HIGH AVG. HIGH AVG. LOW LOWEST HIGHEST HIGHEST HIGHEST HIGHEST LOWEST LOWEST LOWEST COMEST YEAR YEAR YEAR TEAR TEAR YEAR TEAR

"A" STATION, WHITE SANDS MISSILE RANGE DEPOYMENTS AND EXTREMES, WITH YEAR OF OCCURRENCE

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L EXTREMES	AVG. HIGH	HICHEST	TEAR		AVO. LOW		TANK CAR	AVC. DA	YEAR		101 DAY	YZ	YEAR	AVO. H'EQI		YEAR	N	ATG. IX	LOWEST		AVG. H	HIORES	TEAR	¥	TOWEST	YEAR	C. C	i	A ·	•	×	3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	į	N. C.
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S, WITH YEAR OF DATA, WITH RAIN	H.C.	HIGHEST	TEAR	Ω	AVG. LOW	LOWEST	71	AVG. HIGH	HIGHERIT	T THE STATE OF THE	7	AVG. LON	YEAR	HOTH CHA	H GHEST	YEAR		AVG. LOW	LOWEST	YSAR	AVG. HICH	HIGHEST	YEAR J	J .	AVG. LO	TCAMOT	TO SERVICE STATE OF THE PARTY O	TEMPERATORS	THE PERATURE	LCW TEMPERATURE	AVO. RELATIVE HUMIDITY	GREATEST MONTHLY RAINFALL 2.99	THE WOOD IN	
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"A" STATION, WHITE SANDS MISSILE RANGE

7961 1050 1955 žă A Š TEMPERATURE. PAT DAILY TEMPERATURE MEANS AND EXTREMES, WITH YEAR OF OCCURRENCE NONTHIL SUBMARY OF AVERAGE CLIDIATOLOGICAL DAIL, WITH MAINFULL EXTREMES TOMEST FICHER VERAGE MONTHLY AVG. 16 LOVEST TEAR AVERAGE MONTIELY VERAGE MONTHLY PREVAILING WIN ğ AVENAGE DATH OF PINE TANT VERAGE 1956 1952 1958 AVO. HIGH AVO. HICHEST HICHEST HOHEST AVG. LO Lowest TOWEST DWEST YEAR 41 26 1958 32 1967 1966 S TEMPERATURE TEMPERATURE RECORD MINIMUM TEMPERATURE AVO. HTOH HIGHEST AVO. HIGH HIGHEST AVERAGE RELATIVE HUMIDITY DREATEST MONTHLY RAINFALL DREATEST 24-HOUR RAINFALL DATE OF FIRST FREEZING TEMPERATURE, 1967 VO. HIGH TCHEST OWEST LOWEST OWEST OWEST **TEAR** k V AVERAGE MINIMUM RECORD NAXIDAGE 25 1950 1959 1951 AVG. HIGH AVG. HIGH AVG. HIGH AVERAGE HIGHEST HIGHEST HICHEST HOHEST LOWEST AVO. LO Lomest Year LOWEST LOWEST TEAR TEAR 75 (AVG. 10W -OWEST 16,1966 28 1955 46 33 1966 **8** 6 1950 26 1956 1952 1964 1964 9 1963 AVG. HIGH AVG. HIGH AVO. HIGH 3 Š AVG. LOW HIGHEST HOHEST HIGHEST HIGHEST AVG. LO LOWEST LOWEST LOWEST LOWEST YEAR AWG. TEAR YEAR YEAR TEAR TEAR YEAR AVG. EARLIEST 99 1955 30, 1950. 1950 1965 9 1966 NOVEMBER AVG. LOW AVG. LOW HTGH AVG. HIGH LVG. HIGH AVG. HICKE AVG. HICH IVG. LOW HIGHEST HIGHEST HIGHEST HIGHEST HIGHEST LOWEST LOWEST OWEST COMEST LOWEST YEAR TEAR YEAR YEAR AVG. YEAR YEAR YEAR TEAR TEAR TEAR AVG. AVG.

DAILY TEMPERATURE MEANS AND EXTREMES, WITH YEAR OF OCCURNENCE

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MONTHLY AND ANNUAL CLIMATOLOGICAL DATA, "A" STATION, WENR HEADQUARTERS

TEM	3 FIXTER	25.81.2C	SUPER	FALL	YEAR
TEMPERATURES (°F) None Maximum Mean Minimum Mean Extremes of Record Highest Date	57.2 35.4 46.3 81 2/11/57	75.3 52.3 63.8 103 5/28/51	92.4 69.5 81.0	75.8 52.8 64.3 98 9/16/51	75.2 52.5 63.9
Lovest Date	-6 1/11/62	16 3/4/65	50 6/11/65	22 11/11/50	-6 1/11/62
DEGREE DATS (Base 65°F)	1676	421	0	428	2525
RELATIVE SUMIDITY (2)	5.5	27	38	40	37
SURFACE VIXOS (Knots) ** Average Speed Strongest Gusts Month and Year	# 5.8 S# 82 12/51	n 8.2 n, ush 74 3/51,5/61	¥ 5.4 \$ 60 6/62	W 4.9 W 61 11/65	W 6.1 SW 82 Dec. '51
RAINFALL (Inches) 6 Percent of Annual Greatest Monthly Month and Year Greatest 24-Hour Dates	1.81 182 2.43 12/65 1.02 12/14-15/67	1.07 102 3.00 3/58 1.46	4.68 452 7.42 6/66 4.25	2.76 272 5.76 9/58 2.96 9/11-12/64	10.32 1007 7.42 6/66 4.25
SWOWFALL (Inches) Greatest Monthly Month and Year	4.6 14.9 12/67	0.5 3.5 3/58	0.0 0.0 	0.8 6.2 11/61	5.9 14.9 1967
CLOUDINESS (2)	38	35	40	28	35
MUMBER OF DAYS WITH: Measureable Rainfall © Thunderstorms Visibility €6 Miles © 0.01" or more	10 1 10	8 5 13	18 31 9	10 7 7	46 44 39
STATION PRESSURE Average (Inches of Hg)	25.758	25.671	25.732	24.766	24.732

WINTER = Calendar Months of December, January, February. SPRING = March, April, May. SUMMER = June, July, August.

= September, October, November.

TABLE VIII. "A" STATION CLIMATOGRAPHY -- SEASONAL VALUES, 1950-1968

^{**} With Prevailing Wind Directions. To convert knots to miles per hour, multiply knots by 1.15155.

Four dates: June 28 & 29, 1951; July 8, 1951; July 2, 1960. "Rainfall" includes water content of snowfall.

MOSTER	0500H	1190%	17004	2300H	MEARS
JAS.	37.7°	47.1*	50.6°	42.2°	44.4*
FEB.	41.2	51.7	%.0	46.3	48.8
MAR.	47.0	58.4	63.2	53.3	55.5
APR.	55.5	68.6	73.5	63.2	65.2
36AY	62 8	77.5	81.7	70.7	73.2
JUNE	71.6	86.3	90.4	78.8	81.6
JULY	72.0	86.4	89.4	79.0	81.7
ADC.	70.4	84.8	87.5	77.5	80.1
SEP.	65.4	80.0	83.0	72.3	75.2
oct.	56.1	70.4	73.1	62.3	65.5
107.	44.7	56.8	58.3	49.7	52.4
DEC.	38.4	48.3	50.2	42.9	45.0
TEAR	55.2	68.0	71.4	61.5	65.0*

^{*} The Mean annual temperature, as derived from the annual mean maximum and annual mean minimum temperatures, is 63.9° (75.2 + 52.5 / 2 = 63.9°).

Note also that the 6-hourly and mean temperatures for April and October are very near the annual values.

TABLE IX. "A" STATION MEAN 6-HOURLY TEMPERATURES, 1948-1968 [6]

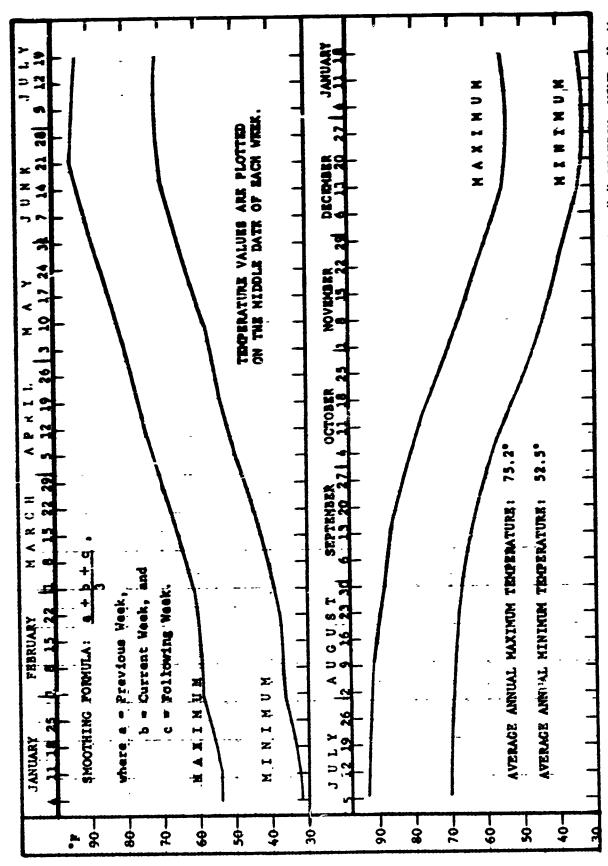
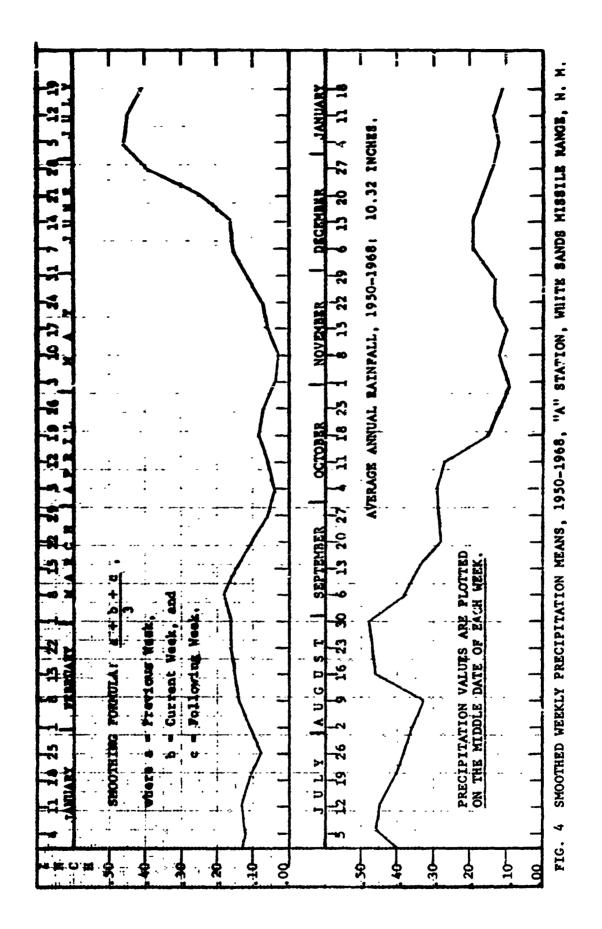
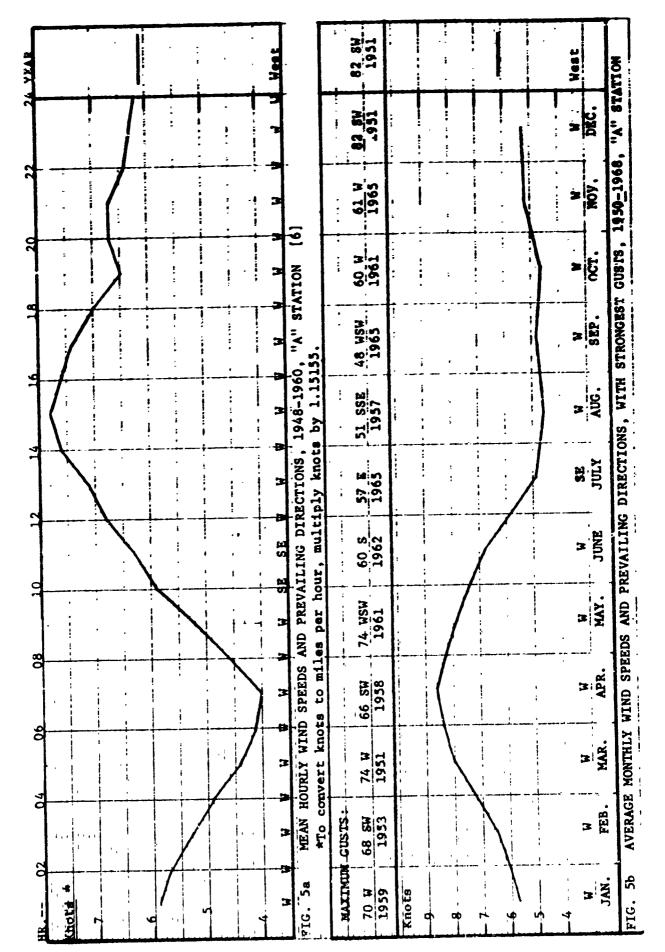
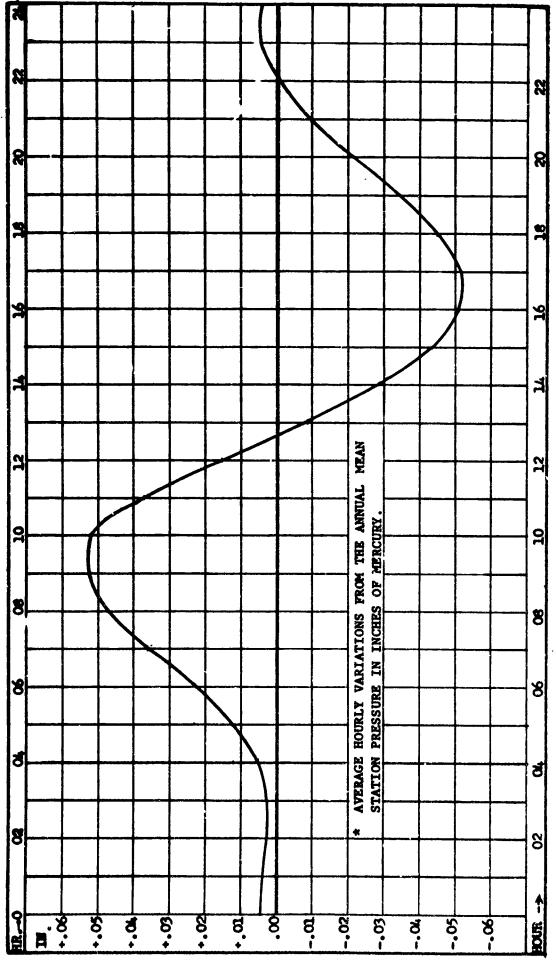


FIG. 3 SMOOTHED WEEKLY MEANS OF MAXIMUM AND MINIMUM TEMPERATURKS, 1950-1968, "A" STATION, WENT, M. M.







DIURNAL PRESSURE VARIATIONS*, 1948-1960, "A" STATION, WHITE SANDS MISSILE RANGE, N. M. FIG. 6

[9]

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13 ADSTRACT This is the fourth of			``

Calendar, which was first published in May, 1963.

AMean daily maximum and minimum temperatures, and extreme temperatures for the period of record (1950-1968) are tabulated in calendar form for "A" Station, the weather center located at Headquarters, White Sands Missile Range, New Mexico. Averages of temperature, relative humidity, wind and cloudiness are included for each month, as well as maximum 24-hour and monthly rainfall.

Supplementary tables give monthly, seasonal and annual values of maximum winds, degree days, solar radiation, means and extremes of station pressure, the greatest monthly and single-storm snowfall, and the average six-hourly temperatures and relative humidities. Also included are the average number of days with the occurrence of precipitation, distant lightning, thunderstorms and visibility restrictions, as well as a summary of weather extremes for the State of New Mexico. Presented in graph form are weekly means of maximum and minimum temperatures, weekly values of precipitation, mean hourly and monthly wind speeds with prevailing directions, and average hourly variations from the mean station pressure.

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